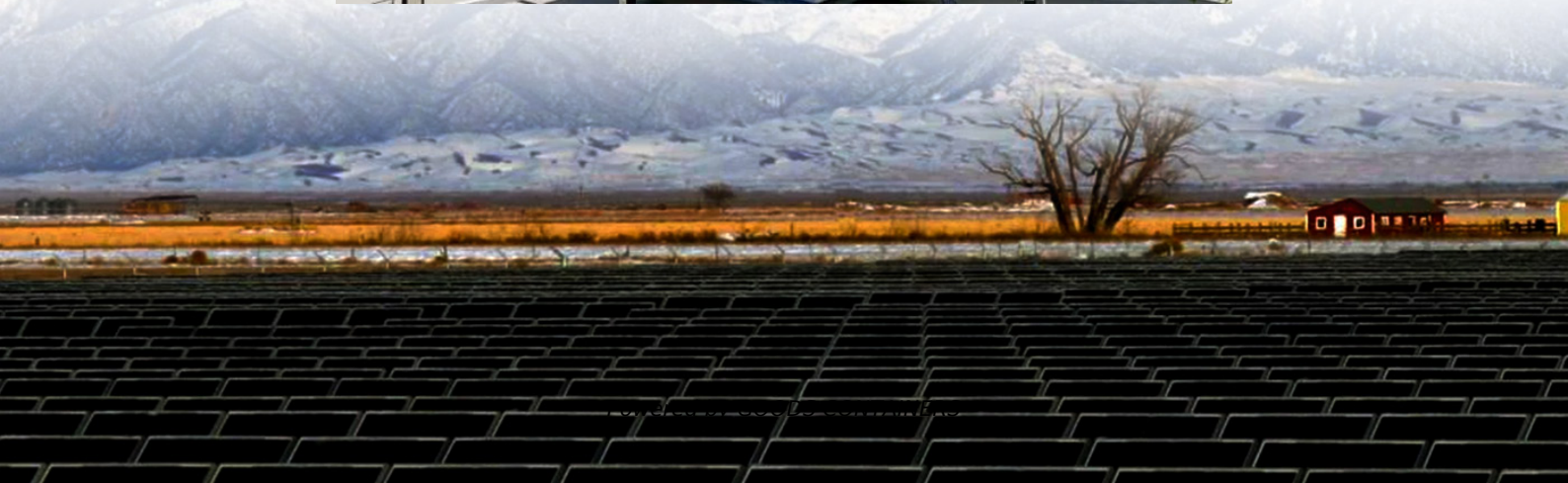


# **Cook Islands container emergency power generation equipment**





## Overview

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What is the future of power in the Cook Islands?

Now with full-time power, the future has taken a new shape for Cook Islands' residents thanks to government renewable energy – leading to an improved quality of life, and increased economy activity. The improved livelihood in the communities that now have the benefit of reliable, 24hour power supply is immeasurable.

How did we help the Cook Islands Government achieve its aim?

We helped the government realise its aim. To support the Cook Islands Government, the New Zealand Government – through the Ministry of Foreign Affairs and Trade, installed mini-grid photo-voltaic power systems in a number of villages on six remote islands. We helped manage this logistically enjoyable project.

How did the island construction system work?

There were no sources of hard aggregate for concrete or reliable earthmoving equipment on the islands, so all materials, equipment and tools required for construction were supplied via a freighter. Using the latest equipment and smart metering, the systems can be supported remotely.

How much battery storage capacity will be installed in Rarotonga?

Additional battery storage capacity consisting of 1 megawatt (MW)/4 megawatt hour (MWh) for grid stability will be installed in the diesel power station in Avatiu Valley, Rarotonga, and 2 MW/8 MWh for load-shifting capability will be installed at the Rarotonga International Airport.



## Cook Islands container emergency power generation equipment

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